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APPLICATION NO.	FILIN	G DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION NO.	
10/550,704	10/550,704 07/13/2006		James Martin	14.0237-PCT-US	3099
WesternGeco	7590	01/09/2008	EXAMINER		
Intellectual Pr	operty Depa	artment		HUGHES, DÉANDRA M	
PO Box 2469 Houston, TX 77252-2469				ART UNIT	PAPER NUMBER
,				3663	-
					
				MAIL DATE	DELIVERY MODE
				01/09/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)					
Office Action Commence	10/550,704	MARTIN ET AL.					
Office Action Summary	Examiner	Art Unit					
	Deandra M. Hughes	3663					
- The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period was failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).					
Status	1	•					
1) Responsive to communication(s) filed on 26 Oc	ctober 2007.						
· <u> </u>	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	•						
Disposition of Claims							
4) Claim(s) 1,3-10 and 12-19 is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1, 3-10, 12-19</u> is/are rejected. 7)□ Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	r alaction requirement						
of Entropy are subject to restriction and/or	election requirement.						
Application Papers	•						
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) acce	epted or b) objected to by the f	Examiner.					
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119	•						
<u> </u>	priority under 35 LLS C & 119(a)	\.(d) or (f)					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
1. Certified copies of the priority documents have been received.							
Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
	' !	*					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413) :					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ate					
Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal P 6) Other:	асен Аррисация					

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DETAILED ACTION

Response to Amendment

1. The amendment filed 10/26/07 has been entered.

Response to Arguments

2. Applicant's arguments with respect to claims 1, 3-10, and 12-19 have been considered but are moot in view of the new ground(s) of rejection.

Claim Objections

3. Claims 5 and 19 are objected to under 37 CFR 1.75(c) as being in improper form because they are multiply dependent claims. See MPEP § 608.01(n). In the interest of compact prosecution, claims 5 and 19 have been examined as if they depended upon claim 1.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 5. Claims 1, 2-10, and 12-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Brittan (US 6,894,948 filed Jan. 29, 2003).

With regard to claims 1, 10, and 17-19, Brittan discloses an apparatus comprising:

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- an input interface for receiving seismic data representative of acceleration
 wavefield (particle acceleration detector, col. 4, line 65);
- a data processor (<u>since the method of Brittan is a processing method; this</u>
 <u>is inherent</u>);
- memory comprising program instructions executable by the processor to (inherent):
 - Process the seismic data representative of the acceleration wavefield
 (fig. 2) to obtain information about the earth's subsurface (e.g. mudroll;
 col. 4, line 26) direct from the seismic data representative of the
 acceleration wavefield (col. 4, lines 64-68); and
 - Attenuate coherent noise in a high frequency range in the seismic data (fig. 2, #213; col. 4,line 25).

With regard to claim 3, the point source attenuation step is fig. 2, #213.

With regard to claim 4, Brittan discloses attenuating noise less than 20Hz (col. 8, line 14).

With regard to claims 5 and 12, the sources is #109 and the wavefields are acquired with the dual sensors #107 and #108.

With regard to claims 6-9 and 13-16, the receivers #107 and #108 are disposed on the earth's surface within a water column.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Deandra M. Hughes whose telephone number is 571-272-6982. The examiner can normally be reached on M-F, 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Keith can be reached on 571-272-6878. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

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Deandra M Hughes
Primary Examiner
Art Unit 3663